

2019-2020 AP Statistics Assignments

(see web site for reading guides, glossaries of important terms, notes, HW answers, and other goodies)

Chapter	Day	Topics	Objectives: Students will be able to...	Homework	Reading	1/2O	7/8B
1	S U M M E R A S S I G N M E N T	Chapter 1 Introduction; NO Activity	<ul style="list-style-type: none"> Identify the individuals and variables in a set of data. Classify variables as categorical or quantitative. Identify units of measurement for a quantitative variable. 	1, 3, 5 , 7, 8	C h a p t e r 1	S U M M E R A S S I G N M E N T	S U M M E R A S S I G N M E N T
1		1.1 Bar Graphs and Pie Charts, Graphs: Good and Bad	<ul style="list-style-type: none"> Make a bar graph of the distribution of a categorical variable or, in general, to compare related quantities. Recognize when a pie chart can and cannot be used. Identify what makes some graphs deceptive. 	11, 13 , 15, 17			
1		1.1 Two-Way Tables & Marginal Distributions, Relationships Between Categorical Variables: Conditional Distributions Technology example SKIPPED	<ul style="list-style-type: none"> From a two-way table of counts, answer questions involving marginal and conditional distributions. Describe the relationship between two categorical variables in context by comparing the appropriate conditional distributions. Construct bar graphs to display the relationship between two categorical variables. 	19, 21, 23 , 25, 27-31			
1		1.2 Dotplots, Describing Shape, Comparing Distributions, Stemplots	<ul style="list-style-type: none"> Make a dotplot or stemplot to display small sets of data. Describe the overall pattern (shape, center, spread) of a distribution and identify any major departures from the pattern (like outliers). Identify the shape of a distribution from a dotplot, stemplot, or histogram as roughly symmetric or skewed. Identify the number of modes. 	37, 39 , 41 , 43 , 45, 47 , 48, 49			
1		1.2 Histograms, Using Histograms Wisely, <i>Technology</i> :	<ul style="list-style-type: none"> Make a histogram with a reasonable choice of classes. Identify the shape of a distribution from a dotplot, stemplot, or histogram as roughly symmetric or skewed. Identify the number of modes. Interpret histograms. 	53, 55, 57, 59 , 60 , 69-74			
1		1.3 Measuring Center: Mean and Median, Comparing Mean and Median, Measuring Spread: IQR, Identifying Outliers	<ul style="list-style-type: none"> Calculate and interpret measures of center (mean, median) in context Calculate and interpret measures of spread (<i>IQR</i>) in context Identify outliers using the $1.5 \times IQR$ rule. 	79, 81, 83, 87, 89			
1		1.3 Five Number Summary and Boxplots, Measuring Spread: Standard Deviation, Choosing Measures of Center and Spread	<ul style="list-style-type: none"> Make a boxplot. Calculate and interpret measures of spread (standard deviation) Select appropriate measures of center and spread Use appropriate graphs and numerical summaries to compare distributions of quantitative variables. 	91, 93, 95 , 97, 103 , 105, 107-110			
1	1	<u>Introduction</u> Activity #1 - Vocabulary Matching Activity #2 - Review Marginal and Conditional Probabilities	Cover Book - It must be covered at all times. Pop Book Checks. Chapter 1 Review - * Complete AP Practice Test for HW * Prepare questions to review next class * Review Chapter 1 Notes on my website: http://www.brunswick.k12.me.us/pgroves/files/2013/06/AP-Stats-Chapter-1-Class-Notes.pdf	Chapter 1 AP Practice Test pg 78 #s T1.1 to T1.15		4-Sep	5-Sep
1	2	<u>Chapter 1 Review</u> Activity - Review Chapter 1 Notes and answer student questions Activity - Match Type of Variable and Graph	* See my website for Videos on TPS5e Worked Out Problems: https://www.macmillanlearning.com/studentresources/highschool/hsbridgepage/tps5e.html#anchor8 * See my website for TI83/84 Help: Technology Corner Videos https://www.macmillanlearning.com/studentresources/highschool/hsbridgepage/tps5e.html#anchor6	Study for Test		6-Sep	9-Sep
1	3	Chapter 1 Test (you will have only 1 hour for the test! TIP: Study & see me if you have questions before the day of the test!)				10-Sep	11-Sep